Table J1b. - Physical Properties of the Soils

Gloucester County, Virginia

Entries under "Erosion Factors--T" apply to the entire profile. Entries under "Wind Erodibility Group" and "Wind Erodibility Index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensibility	Organic Matter	Erosion Factors			Wind Erodibility Group	Wind Erodibility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
1B:														
Alaga	0-9	---	---	2-12	1.60-1.75	6-20	0.05-0.09	0.0-2.9	0.5-3.0	.10	.10	5	2	134
	9-60	---	---	2-12	1.60-1.75	6-20	0.05-0.09	0.0-2.9	0.0-0.5	.10	.10			
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2B:														
Caroline	0-14	---	---	15-25	1.35-1.45	0.6-2	0.14-0.20	0.0-2.9	0.5-2.0	.43	.43	5	5	56
	14-52	---	---	35-55	1.40-1.50	0.001-0.6	0.14-0.22	3.0-5.9	0.0-0.5	.32	.32			
	52-60	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Craven	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3A:														
Craven	0-9	---	---	7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	9-53	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	53-60	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochraqults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3B:														
Craven	0-9	---	---	7-27	1.30-1.45	0.2-2	0.12-0.15	0.0-2.9	0.5-2.0	.32	.32	5	5	56
	9-53	---	---	35-60	1.30-1.45	0.06-0.2	0.12-0.15	3.0-5.9	0.0-0.5	.32	.32			
	53-60	---	---	5-35	1.35-1.60	0.2-6	0.08-0.14	0.0-2.9	0.0-0.5	.32	.32			

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
3B:														
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochraqults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4A:														
Dogue	0-11	---	---	5-15	1.30-1.45	0.6-2	0.14-0.20	0.0-2.9	0.5-1.0	.37	.37	5	3	86
	11-48	---	---	35-50	1.45-1.60	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-60	---	---	5-30	1.30-1.50	0.6-6	0.05-0.14	0.0-2.9	0.0-0.5	.17	.17			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Johns	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Okeetee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meggett	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4B:														
Dogue	0-11	---	---	5-15	1.30-1.45	0.6-2	0.14-0.20	0.0-2.9	0.5-1.0	.37	.37	5	3	86
	11-48	---	---	35-50	1.45-1.60	0.2-0.6	0.12-0.19	3.0-5.9	0.0-0.5	.28	.28			
	48-60	---	---	5-30	1.30-1.50	0.6-6	0.05-0.14	0.0-2.9	0.0-0.5	.17	.17			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Johns	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Okeetee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meggett	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
5A:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-35	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	35-60	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wrightsboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5B:														
Emporia	0-14	---	---	7-18	1.30-1.40	2-6	0.10-0.17	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	14-35	---	---	18-35	1.35-1.45	0.2-2	0.10-0.18	0.0-2.9	0.0-0.5	.28	.28			
	35-60	---	---	21-40	1.45-1.60	0.001-0.6	0.10-0.16	3.0-5.9	0.0-0.5	.20	.20			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wrightsboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
6:														
Eunola	0-9	---	---	3-11	1.25-1.45	2-6	0.06-0.11	0.0-2.9	0.5-2.0	.28	.28	5	2	134
	9-63	---	---	18-35	1.30-1.45	0.6-2	0.12-0.17	0.0-2.9	0.0	.28	.28			
Haplaquepts	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochraquults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7:														

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
7:														
Fluvaquents	0-4	---	---	5-27	1.30-1.55	0.6-2	0.18-0.20	0.0-2.9	2.0-5.0	.24	.24	---	---	---
	4-52	---	---	5-27	1.40-1.70	0.6-2	0.05-0.19	0.0-2.9	0.0-3.0	.15	.15			
	52-74	---	---	1-20	1.50-1.70	6-20	0.04-0.16	1.0-1.5	0.0-3.0	.05	.10			
Sulfaquents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8:														
Fluvaquents, saline	0-14	---	---	8-20	1.20-1.40	0.6-2	0.08-0.15	0.0-2.9	4.0-8.0	.24	.24	---	---	---
	14-70	---	---	8-15	1.30-1.50	0.6-2	0.08-0.15	0.0-2.9	0.0	.10	.10			
Sulfaquents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9C:														
Hapludults	0-8	---	---	10-20	1.25-1.50	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.20	.20	---	---	---
	8-41	---	---	10-20	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
	41-70	---	---	5-40	1.35-1.60	0.001-0.6	0.12-0.18	0.0-4.0	0.0-0.5	.24	.24			
Psamments	---	---	---	---	---	---	---	---	---	---	---	---	---	---
9D:														
Hapludults	0-8	---	---	10-20	1.25-1.50	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.20	.20	---	---	---
	8-41	---	---	10-20	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
	41-70	---	---	5-40	1.35-1.60	0.001-0.6	0.12-0.18	0.0-4.0	0.0-0.5	.24	.24			
Psamments	---	---	---	---	---	---	---	---	---	---	---	---	---	---
10:														
Johns	0-8	---	---	5-15	1.45-1.65	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	8-36	---	---	18-35	1.40-1.60	0.6-2	0.12-0.15	0.0-2.9	0.0	.24	.24			
	36-60	---	---	2-10	1.60-1.70	6-20	0.03-0.06	0.0-2.9	0.0	.10	.10			
Lumbee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
10:														
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kalmia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11:														
Johns variant	0-12	---	---	4-15	1.50-1.70	6-20	0.07-0.10	0.0-2.9	0.5-1.0	.43	.43	4	2	134
	12-32	---	---	6-25	1.30-1.50	2-6	0.10-0.16	0.0-2.9	0.0	.49	.49			
	32-60	---	---	2-10	1.50-1.70	6-20	0.06-0.10	0.0-2.9	0.0	.49	.49			
Lumbee variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
12B:														
Kalmia	0-22	---	---	4-12	1.60-1.70	2-6	0.06-0.10	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	22-34	---	---	18-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0	.24	.24			
	34-72	---	---	2-10	1.60-1.70	6-20	0.03-0.06	0.0-2.9	0.0	.10	.10			
Johns	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13A:														
Kempsville	0-18	---	---	5-15	1.30-1.40	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	18-53	---	---	12-35	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.0	.24	.24			
	53-70	---	---	2-20	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0	.24	.24			
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
13A:														
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
13B:														
Kempsville	0-18	---	---	5-15	1.30-1.40	2-6	0.08-0.14	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	18-53	---	---	12-35	1.30-1.45	2-6	0.12-0.18	0.0-2.9	0.0	.24	.24			
	53-70	---	---	2-20	1.35-1.65	0.6-2	0.12-0.18	0.0-2.9	0.0	.24	.24			
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
14B:														
Kenansville	0-29	---	---	1-10	1.50-1.70	6-20	0.04-0.10	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	29-54	---	---	10-20	1.30-1.50	0.6-6	0.10-0.14	0.0-2.9	0.0	.15	.15			
	54-60	---	---	1-10	1.50-1.70	6-20	0.01-0.05	0.0-2.9	0.0	.10	.10			
Kenansville variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
15:														
Kenansville variant	0-31	---	---	1-10	1.50-1.70	6-20	0.04-0.10	0.0-2.9	0.5-2.0	.15	.15	5	2	134
	31-57	---	---	10-20	1.30-1.50	0.6-6	0.10-0.14	0.0-2.9	0.0	.15	.15			
	57-63	---	---	1-10	1.50-1.70	6-20	0.01-0.05	0.0-2.9	0.0	.10	.10			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
15:														
Kenansville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
16:														
Lumbee	0-9	---	---	10-27	1.20-1.40	2-6	0.16-0.22	0.0-2.9	2.0-4.0	.32	.32	5	5	56
	9-29	---	---	18-35	1.30-1.45	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	29-60	---	---	1-10	1.60-1.70	6-20	0.03-0.06	0.0-2.9	0.0-0.2	.10	.10			
Johns	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lumbee variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meggett	---	---	---	---	---	---	---	---	---	---	---	---	---	---
17:														
Lumbee variant	0-8	---	---	10-27	1.20-1.40	2-6	0.16-0.22	0.0-2.9	2.0-4.0	.32	.32	5	5	56
	8-30	---	---	18-35	1.30-1.45	0.6-2	0.12-0.16	0.0-2.9	0.5-1.0	.32	.32			
	30-60	---	---	1-10	1.60-1.70	6-20	0.03-0.06	0.0-2.9	0.0-0.2	.10	.10			
Lumbee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Johns variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
18:														
Meggett	0-10	---	---	5-20	1.20-1.40	2-6	0.10-0.15	0.0-2.9	2.0-8.0	.24	.24	5	3	86
	10-48	---	---	30-60	1.45-1.60	0.06-0.2	0.13-0.18	6.0-8.9	0.0	.32	.32			
	48-60	---	---	5-20	1.20-1.40	0.2-0.6	0.12-0.16	3.0-5.9	0.0	.05	.28			
Dogue	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lumbee	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
18:														
Okeetee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19:														
Ochlockonee	0-22	---	---	3-20	1.25-1.60	2-6	0.07-0.14	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	22-62	---	---	5-20	1.25-1.60	2-6	0.06-0.12	0.0-2.9	0.5-1.0	.17	.17			
Ochlockonee variant	0-10	---	---	3-20	1.25-1.60	2-6	0.07-0.14	0.0-2.9	0.5-2.0	.20	.20	---	2	134
	10-60	---	---	5-20	1.25-1.60	2-6	0.06-0.12	0.0-2.9	0.5-1.0	.17	.17			
Fluvaquents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hapludults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Psamments	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20:														
Ochraquults	0-12	---	---	5-18	1.30-1.60	2-6	0.14-0.16	0.0-2.9	1.0-6.0	.24	.24	---	---	---
	12-72	---	---	18-50	1.40-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.15	.15			
Wrightsboro	---	---	---	---	---	---	---	---	---	---	---	---	---	---
21:														
Ochraquults	0-12	---	---	5-18	1.30-1.60	2-6	0.14-0.16	0.0-2.9	1.0-6.0	.24	.24	---	---	---
	12-72	---	---	18-50	1.40-1.55	0.6-2	0.12-0.19	0.0-2.9	0.5-1.0	.15	.15			
Haplaquepts	0-24	---	---	7-18	1.25-1.45	2-6	0.20-0.26	0.0-2.9	3.0-15	.17	.17	---	---	---
	24-30	---	---	2-12	1.55-1.65	6-20	0.02-0.07	0.0-2.9	0.5-3.0	.17	.17			
	30-64	---	---	5-20	1.45-1.65	6-20	0.06-0.12	0.0-2.9	0.0-2.0	.17	.17			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
22:														
Okeetee	0-6	---	---	5-20	1.20-1.50	2-6	0.12-0.15	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	6-41	---	---	30-60	1.30-1.50	0.06-0.2	0.10-0.15	3.0-5.9	0.0-0.5	.32	.32			
	41-46	---	---	2-20	1.40-1.60	0.001-0.6	0.10-0.15	3.0-5.9	0.0-0.5	.24	.24			
	46-60	---	---	2-20	1.10-1.60	0.001-2	0.06-0.12	0.0-2.9	0.0-0.5	.05	.24			
Meggett	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dogue	---	---	---	---	---	---	---	---	---	---	---	---	---	---
23:														
Osier	0-8	---	---	2-10	1.35-1.60	6-20	0.10-0.15	0.0-2.9	1.0-5.0	.15	.15	5	3	86
	8-60	---	---	2-10	1.40-1.60	6-20	0.03-0.10	0.0-2.9	0.0-0.5	.10	.10			
Lumbee variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pactolus	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24B:														
Pactolus	0-11	---	---	2-12	1.60-1.75	6-20	0.05-0.10	0.0-2.9	0.5-2.0	.10	.10	5	2	134
	11-60	---	---	2-12	1.60-1.75	6-20	0.03-0.07	0.0-2.9	0.0	.10	.10			
Alaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---
25:														
Pamlico	0-18	---	---	0	0.20-0.65	0.6-6	0.24-0.40	0.0-2.9	20-80	---	---	---	2	134
	18-60	---	---	2-10	1.60-1.75	6-20	0.02-0.10	0.0-2.9	0.0	.10	.10			
Portsmouth	0-15	---	---	10-25	1.30-1.40	0.6-6	0.12-0.18	0.0-2.9	0.5-3.0	.24	.24	5	3	86
	15-30	---	---	10-35	1.45-1.55	0.6-2	0.14-0.20	0.0-2.9	0.0	.28	.28			
	30-60	---	---	2-10	1.40-1.65	6-20	0.02-0.05	0.0-2.9	0.0	.17	.17			

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
25:														
Lumbee	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lumbee variant	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Meggett	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Osier	---	---	---	---	---	---	---	---	---	---	---	---	---	---
26A:														
Psamments	0-6	---	---	1-10	1.35-1.70	6-20	0.05-0.10	0.0-1.5	0.5-3.0	.10	.10	---	---	---
	6-60	---	---	1-10	1.60-1.70	6-20	0.05-0.07	0.0-1.5	0.0-0.5	.10	.10			
Ponded areas	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wet spots	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27C:														
Psamments	0-6	---	---	1-10	1.35-1.70	6-20	0.05-0.10	0.0-1.5	0.5-3.0	.10	.10	---	---	---
	6-60	---	---	1-10	1.60-1.70	6-20	0.05-0.07	0.0-1.5	0.0-0.5	.10	.10			
Hapludults	0-8	---	---	10-20	1.25-1.50	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.20	.20	---	---	---
	8-41	---	---	10-20	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
	41-70	---	---	5-40	1.35-1.60	0.001-0.6	0.12-0.18	0.0-4.0	0.0-0.5	.24	.24			
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
27D:														

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
27D:														
Psamments	0-6	---	---	1-10	1.35-1.70	6-20	0.05-0.10	0.0-1.5	0.5-3.0	.10	.10	---	---	---
	6-60	---	---	1-10	1.60-1.70	6-20	0.05-0.07	0.0-1.5	0.0-0.5	.10	.10			
Hapludults	0-8	---	---	10-20	1.25-1.50	2-6	0.12-0.18	0.0-2.9	0.5-2.0	.20	.20	---	---	---
	8-41	---	---	10-20	1.40-1.60	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	.20	.20			
	41-70	---	---	5-40	1.35-1.60	0.001-0.6	0.12-0.18	0.0-4.0	0.0-0.5	.24	.24			
Sand pits	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Wet soils	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28A:														
Rumford	0-7	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	7-42	---	---	8-25	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0	.17	.17			
	42-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.17	.20			
Alaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28B:														
Rumford	0-7	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	7-42	---	---	8-25	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0	.17	.17			
	42-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.17	.20			
Alaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
28C:														

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
28C:														
Rumford	0-7	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	4	2	134
	7-42	---	---	8-25	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0	.17	.17			
	42-72	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.17	.20			
Alaga	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Suffolk	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29A:														
Suffolk	0-10	---	---	10-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	10-41	---	---	10-35	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0	.24	.24			
	41-64	---	---	1-20	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.15	.15			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29B:														
Suffolk	0-10	---	---	10-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	10-41	---	---	10-35	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0	.24	.24			
	41-64	---	---	1-20	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.15	.15			
Eunola	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Kempsville	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
29C:														

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
29C:														
Suffolk	0-10	---	---	10-18	1.35-1.45	2-6	0.10-0.16	0.0-2.9	0.5-2.0	.20	.20	5	3	86
	10-41	---	---	10-35	1.40-1.50	0.6-2	0.10-0.15	0.0-2.9	0.0	.24	.24			
	41-64	---	---	1-20	1.40-1.50	2-20	0.04-0.10	0.0-2.9	0.0	.15	.15			
Hapludults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Psamments	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Rumford	---	---	---	---	---	---	---	---	---	---	---	---	---	---
30:														
Sulfaquents	0-20	---	---	27-40	1.10-1.25	0.2-2	0.21-0.23	6.0-8.9	10-25	.32	.32	---	---	---
	20-60	---	---	35-60	1.30-1.60	0.001-0.06	0.12-0.14	6.0-8.9	5.0-20	.24	.24			
	60-80	---	---	5-60	1.30-1.60	0.001-0.06	0.12-0.22	6.0-8.9	5.0-20	.24	.24			
Fluvaquents	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31A:														
Wrightsboro	0-12	---	---	5-18	1.45-1.60	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	12-72	---	---	18-35	1.35-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.32	.32			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ochraquults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
31B:														
Wrightsboro	0-12	---	---	5-18	1.45-1.60	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.28	.28	4	3	86
	12-72	---	---	18-35	1.35-1.50	0.6-2	0.12-0.20	0.0-2.9	0.0-0.5	.32	.32			
Emporia	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table J1b. - Physical Properties of the Soils - Continued

Gloucester County, Virginia

Map Symbol and Soil Name	Depth	Sand	Silt	Clay	Moist Bulk Density	Permeability (Ksat)	Available Water Capacity	Linear Extensi-bility	Organic Matter	Erosion Factors			Wind Erodi-bility Group	Wind Erodi-bility Index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/Hr	In/In	Pct	Pct					
31B:														
Ochraquults	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Ns:														
Not surveyed	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	---	---	---